

62512-1 ✓ ACTIVE

MAG-MATE

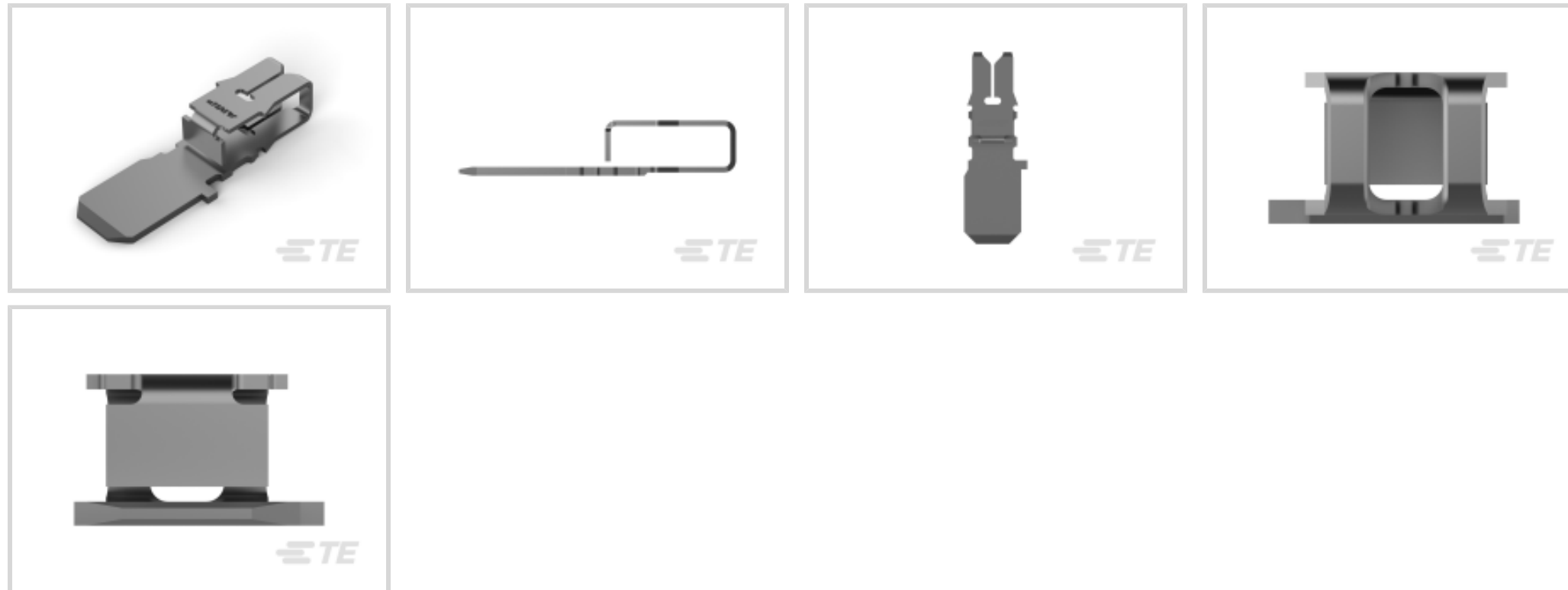
TE Internal #: 62512-1

Magnet Wire Terminals, Tab, Mating Tab Width .187 in [4.75 mm],
Size 2, 28 – 25 AWG Aluminum Wire, .32 – .45 mm Aluminum Wire,
MAG-MATE

[View on TE.com >](#)



Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Tab**

Mating Tab Width: **4.75 mm [.187 in]**

Mating Tab Thickness: **.51 mm [.02 in]**

Compatible With Cavity Size: **Size 2**

Aluminum Wire Size: **28 – 25 AWG**

Features

Product Type Features

Compatible With Discrete Wire Type	Magnet Wire, Solid
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Body Features

Compatible With Cavity Size	Size 2
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Contact Features

Magnet Wire Terminal Type	Tab
Mating Tab Width	4.75 mm [.187 in]
Mating Tab Thickness	.51 mm [.02 in]
Terminal Plating Material	Tin
Terminal Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Retention Type	Dimple
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Dimensions

Terminal Height	7.62 mm[.3 in]
Aluminum Wire Size	.32 – .45 mm
Magnet Wire Size	.25 – .36 mm
Stock Thickness (Magnet Wire Side)	.31 mm[.012 in]
Product Length	16 mm[.63 in]

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-65 – 150 °C[-85 – 302 °F]

Operation/Application

Compatible With Wire Base Material	Aluminum, Copper
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Identification Marking

Identification Number	6
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Industry Standards

Agency/Standard	RU (UL Component Program)
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Packaging Features

Packaging Quantity	11000
Packaging Method	Reel, Reel/Carton

Other

Terminals & Splices Comment	After insertion into plastic cavity, tab portion must be bent over 45°-90° or potted in to prevent pullout when mating receptacle is disconnected., Two magnet wires may be terminated in the same terminal slot if diameters are equal.
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

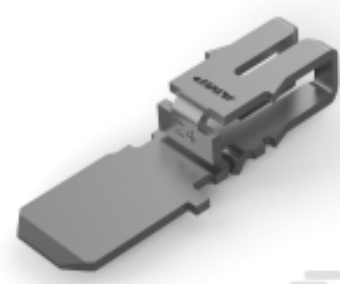
Solder Process Capability

Not applicable for solder process capability

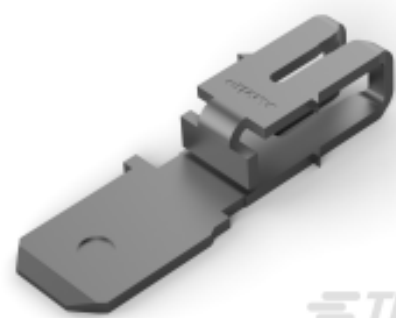
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

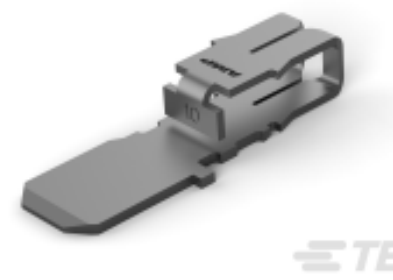
Compatible Parts



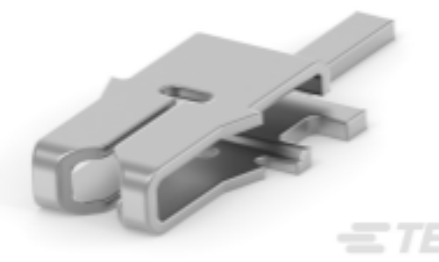
TE Part # 62888-2
MAG-MATE 187 TAB 020 TPBR



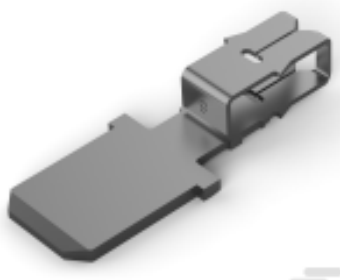
TE Part # 63273-1
MAG-MATE 187 FAST TAB 020TPBR



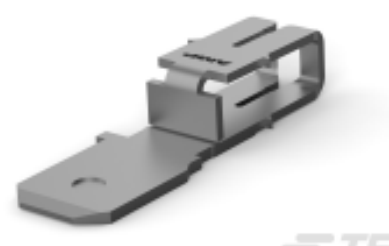
TE Part # 62514-1
MAG-MATE 27-23 187 F TAB TPBR



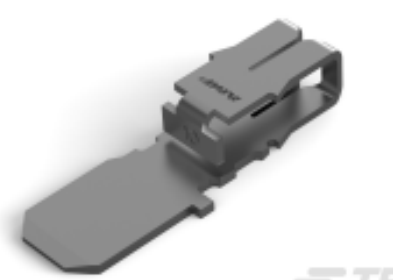
TE Part # 1217302-1
SOLDER TAB .041 MAG-MATE



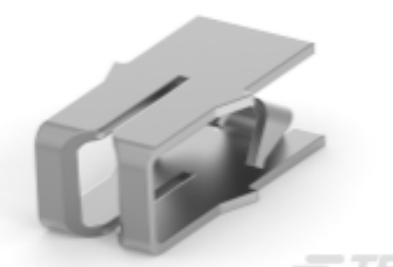
TE Part # 62651-1
MAG-MATE 250FTAB 30-27 013TPBR



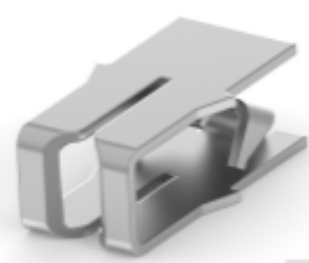
TE Part # 62511-1
MAG-MATE 22-20 187 F TAB TPBR



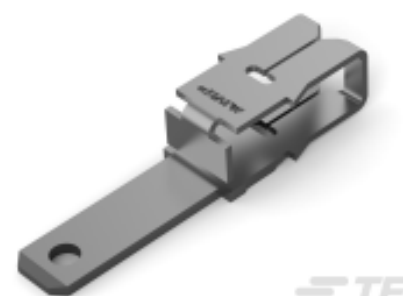
TE Part # 62514-2
MAG-MATE 27-23 187 F TAB TPBR



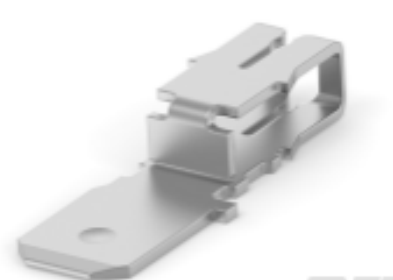
TE Part # 63590-1
MAG-MATE LEAF CONTACT
0126TPBR



TE Part # 63590-3
MAG-MATE LEAF CONT 0126 TPPHBZ



TE Part # 63777-1
MAG-MATE 187 F TAB 30-27 TPBR



TE Part # 1-62511-1
MAG-MATE 22-20 187 F TAB TPBR



TE Part # 1742242-1
TAB,187 FASTON,LP,MAG-MATE



TE Part # 62429-2
MAG-MATE TERM 27-30 013TPBR



TE Part # 62511-2
MAG-MATE 22-20 187 F TAB TPBR



TE Part # 63018-1
MAG-MATE W/187 FTAB 33-31 TPBR



TE Part # 63255-1
MAG-MATE 187FAST TAB 0198TPBR



TE Part # 63447-1
MAG-MATE 187 FAST TAB 0198TPBR



TE Part # 63590-2
MAG-MATE LEAF CONTACT 0126TPBR




TE Part # 63590-5
SPEC,LEAF,300 SERIES,MAG-MATE



TE Part # 63711-2
TAB 187 MAG-MATE SLIM LN.


Also in the Series | **MAG-MATE**



Insertion & Extraction Tools(6)



Magnet Wire Terminals(435)



PCB Terminals(1)

Customers Also Bought



TE Part #806699-000
Heat Shrink Boots: Non Lipped, Straight



TE Part #803651-000
55PC0111-22-9



TE Part #63132-3
TAB, .250 FASTON,MAG-MATE



TE Part #1676142-3
RN 0805 100K 0.1% 10PPM 5KRL



TE Part #1-2176382-8
RQ 0805 200K 0.1% 10PPM 5K RL



TE Part #CF7300-000
HF-17FRX4



TE Part #3-2176382-4
RQ 0805 294K 0.1% 10PPM 5K RL



Documents

Product Drawings

[MAG-MATE 30-27 187 F TAB TPBR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_62512-1_Z.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_62512-1_Z.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_62512-1_Z.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Magnet Wire Terminals & Splices](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

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English